

Date: Mon, 10 Oct 94 04:30:28 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: List
Subject: Ham-Homebrew Digest V94 #299
To: Ham-Homebrew

Ham-Homebrew Digest Mon, 10 Oct 94 Volume 94 : Issue 299

Today's Topics:

 can square wave oscil (4046) be used for vfo/bfo's ?
 Search for Homebrew SW Receiver Info

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Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 9 Oct 1994 13:28:10 GMT
From: lascal@cortez.its.rpi.edu (Lance Lascari WS2B)
Subject: can square wave oscil (4046) be used for vfo/bfo's ?

Mike Stramba (mike@io.org) wrote:

: Can a square wave oscillator, such as the oscillator in a 4046 pll be used
: either as a bfo or vfo?

: If not, is this because of the many harmonics generated by a square wave?

: Specifically I'm trying to build a direct conversion receiver using the 4046
: and a 1596 mixer.

Yep, I believe that will work WELL. There has been some discussion
about how square wave LO's work better than sinewave LO's. I don't
know the whole reasoning behind it, but it has something to do with
the very short rise/fall times as compared to sinewave LO's.
Apparently, these edges are where a great deal of IMD products are
generated (makes sense if you think about it).

 anyway... go for it. There is one version of the 4046... that

goes to 12 MHz or so, its the 74hc4046 or something like that...

-Lance

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Date: 9 Oct 1994 13:17:02 -0400
From: w4qo@peach.america.net (James C. Stafford)
Subject: Search for Homebrew SW Receiver Info

asmith@utkvx.utk.edu (A.L. Smith) writes:

>Does anyone know of FTP or other source of plans for building a simple
>SW Receiver?
>Thanks,
>asmith@utkvx.utk.edu
TenTec has a regenerative sw kit for about 17 bux. I have it but have
not built it yet. It includes a nice little front panel. Let me know if
you do not know what TenTec is.

End of Ham-Homebrew Digest V94 #299
